CLAIMS

1.   An image processing apparatus, comprising:

an image reading unit reading a front side image and a rear side image

from a front side and a rear side of a medium, respectively;

a mark detecting unit detecting a combination instruction mark present in a

predetermined position of at least one of the front side image and the rear side

image; and

an image combining unit combining a front side sliced image and a rear side

sliced image sliced from predetermined positions of the front side image and the

rear side image in a predetermined direction to obtain one image when the

combination instruction mark is detected.

2.   The image processing apparatus according to claim 1, further comprising:

a tilt correcting unit correcting a tilt with a vertical reference line or a

horizontal reference line present in the predetermined positions of the front side

image and the rear side image as a reference when the combination instruction

mark is detected.

3.   The image processing apparatus according to claim 1, wherein the image

combining unit finds effective ranges in the front side image and the rear side

image, selects a larger one of the effective ranges, determines a formal size larger

than the selected effective range and closest to a size of the effective range as a

size of images, and slices images of the determined size from the front side image

and the rear side image to combine the images into one image.

4.   The image processing apparatus according to claim 1, wherein the mark detecting units sets each of the front side image and the rear side image as individual one image when the combination instruction mark is not detected.

5.   The image processing apparatus according to claim 1, wherein, when the mark detecting unit detects a predetermined non-combination instruction mark of a shape different from the combination instruction mark present in the predetermined position of one of the front side image and the rear side image, the mark detecting unit neglects the combination instruction mark detected from the other of the front side image and the rear side image, and sets each of the front side sliced image and the rear side sliced image sliced from the predetermined positions of the front side image and the rear side image as individual one image.

6.   The image processing apparatus according to claim 1, wherein, when the mark detecting unit does not detect the predetermined combination instruction mark from one of the front side image and the rear side image, the mark detecting unit neglects the combination instruction mark detected from the other of the front side image and the rear side image and sets each of the front side sliced image and the rear side sliced image sliced from the predetermined positions of the front side image and the rear side image as individual one image.

7.   An image processing method, comprising:
    reading a front side image and a rear side image from a front side and a rear side of a medium, respectively;

detecting a combination instruction mark present in a predetermined

position of at least one of the front side image and the rear side image; and

combining a front side sliced image and a rear side sliced image sliced from

predetermined positions of the front side image and the rear side image to obtain

one image when the combination instruction mark is detected.

8.   The image processing method according to claim 7, wherein the medium

comprises a carrier sheet including the combination instruction mark in the

predetermined position and holding an original in an inside thereof.

9.   The image processing method according to claim 7,

wherein the medium includes a vertical reference line defining a position of

a reference in a conveying direction, and

wherein the vertical reference line is used as a reference for slicing of the

front side sliced image and the rear side sliced image from the front side image

and the rear side image and combining of the front side sliced image and the rear

side sliced image.

10.   The image processing method according to claim 7,

wherein the medium comprises a carrier sheet including the combination

instruction mark in the predetermined position and holding an original in an

inside thereof or comprises an original, and

wherein the image processing method comprises setting each of the front

side image and the rear side image as individual one image when the combination

instruction mark is not detected.

32

11.   The image processing method according to claim 7, further comprising:

detecting a non-combination instruction mark present in one of the front side image and the rear side image; and

setting each of the front side sliced image and the rear side sliced image sliced from the predetermined positions of the front side image and the rear side image as individual one image when the non-combination instruction mark is detected.

12.   A carrier sheet, comprising:

two sheets having a rectangular shape and holding paper between the two sheets,

wherein at least each one side of the two sheets are fixed to each other,

wherein each of the two sheets comprises:

at least one of a vertical reference line defining a position of a reference in a conveyance direction or a horizontal reference line being orthogonal to the vertical reference line and defining a reference in a direction orthogonal to the conveyance direction;

an original area including an area which is colorless and transparent and an outer side surface of which is matted, with at least one side thereof defined by the vertical reference line or the horizontal reference line; and

a frame area including a nontransparent area with at least one side thereof defined by the vertical reference line or the horizontal reference line, and

wherein at least one of the two sheets comprises a combination instruction mark drawn in the frame area.

13.   The carrier sheet according to claim 12,

wherein each of the two sheets includes the horizontal reference line, and

wherein at least one of the two sheets includes a combination instruction

mark drawn in the frame area between the horizontal reference line and a side of

the sheet.

14.   The carrier sheet according to claim 12,

wherein one of the two sheets comprises the combination instruction mark

drawn in the frame area, and

wherein the other of the two sheets comprises a non-combination

instruction mark having a shape different from the combination instruction mark

drawn in the frame area.

15.   The carrier sheet according to claim 12, wherein, in the original area of the

two sheets, a surface on outer side when a paper is held between the two sheets is

abraded at predetermined roughness to be matted and a surface on inner side

when a paper is held between the two sheets is not matted.

16.   The carrier sheet according to claim 12,

wherein the vertical reference line is provided only on one side in a vertical

direction in parallel with the side, and

wherein the horizontal reference line is provided only on one side in a

horizontal direction in parallel with the side.

17.   The carrier sheet according to claim 12, wherein the combination instruction mark is drawn in a direction along the horizontal reference line in the frame area.

18.   The carrier sheet according to claim 12,

wherein the combination instruction mark is drawn in a direction along the horizontal reference line in the frame area, and

wherein the two sheets are stuck in an area in which the combination instruction mark is drawn.

19.   The carrier sheet according to claim 12,

wherein the frame area comprises a white nontransparent area, and

wherein the vertical reference line, the horizontal reference line, and the combination instruction mark are drawn in black.